PREMITTES OF QUECK KILL

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Fort Bonnies	persedes "Quick Fire" Tachniques pamphlet, United Stat	ca Army Infer	try School

"This text supersedes "Quick Fire" Tachniques pamphlet, United States Army Infantry School, Fort Benning, Georgie.

CHAPTER 1

THEROPHETICS

1. PURPOSE AND SCOPE.

- a The purpose of this training text is to provide guidance in the training procedures and technique of instruction of basic rific mathemanship and the fact unsized method of fire called Outck Kill.
- b. This training test, when used in confunction with FM 23-71, provides guidance for instruction in Quick Kill Techniques and Barle Rifle Mackemanable.

2. MACKGROUND.

- a. Quick Kill has been developed and refined from the method recognized among civiliant as INSTINCT SHOOTING. Besically, Ouled Kill is dolon what comes neturally. It it a distinct departure from most methods taught which tand toward mathematical precision. The key to the successful employment of this technique is simplicity. IT IS AS SIMPLE AS POINTING THE FINGER. Since man ham filted weapons there have been those few who have effectively engaged flose tange targets, making no apparent of conscious effort 10 ADM, However successful these fixers were, no astlefactory method existed of teaching anyone else who did not have this innote shilley. Nunters commetimes occurred this shilley but only after fixing literally thousands of shells. The method of reaching a person to effectively encade e target without first alining the mights was not discovered until 1954. During that year a most effective weapon and Egaluing aid was discovered which made it possible to track anyone who could see his target, to hit it if it were at a sufficiently close range no that windaye and trajectory were not deterents to accuracy. The weapon was a spring operated air rifls and the training ald wee the BH it fired, which, because of the low velocity of the weapon, tould be seen in the alt and became referred to as "the poor man's tracer". The effective teaching of this system was on an individual books, one anstructor to one student - two or three students at the most.
- b. United States Army Infantry School has develoned a methodology whereby this technique can be effectively taught to massay of men simultaneously. Rowever, these techniques continue to be the most personalized lostucction in the Army today.
- e. Let it be clearly understand that, when time allows, it is always preferable to use the eights; but, whan the oceasion cells for the speed of regies reaction as a prerequisite to euruval, there is no substitute for a teady and working knowledge of Quick XIII.

CHAPTER 2 HOUTPEENT

3. ATR MIPLE.

a. The initial weapon used in the training of Quick Ribi is an air rifls or his aus. There are several respons for its use.

- (1) It is extremely eronomics 1 to operate.
- (2) it way be fired to limited areas without denter.
- (3) There is no concern ever the soldier being afreid.
 - (4) The hE. Itself, serves as a tracer.
 - (5) Maintenance cost can be held to a minimum.

b. A spring operated, force fed, lever occion six rifle with overall dissertion of 38" - 40"; 12" - 10" distance from trigger to but plate and a wooden stock and form-and has been found, up no the present time, to be the work satisfactory. The six rifls should be constructed without rights so that the amount plane of the bernel will in on way be impaired. (Figure 1)

4. SAFETY GLASSES.

The only despit from the little, properly bendled, is the preclability of a sizecharing 30 highly obscome to the eye who is wintle a cellul of 10 setter of the action Also within this wrat the velocity of the bit is well-tiested to break or trace endloary prascription pleases. Therefore, it is impartite, and AMBOUITE MRIT, THOU AFRONGE FIRST, DESPINOTOR OR SEDITATON, WITCHIN IS MITTED FOR THE FRANCH WIND ALLAM SAMPLY CHARSTS WHICH PROTECT AIR STEE STORY HOW PROFESS TO THE APIC MASS CLASS HOW ROW HOME OF A MEMBER WITCHIA THE WITCHINGTON THE DEWALT OF A BE FIRST POINT AREA AT A LANGE OF ONE HIGH DATE ALL STREET AND A STORY HOW AND A SET OF THE PRESENCE OF THE STREET AND AND A STORY OF THE STREET AND A STREET A STREET AND A STREET A STREET AND A ST

5. ABRIAL TARGET.

The initial terger first upon in the teaching of Quick Riii is a solid macel idea 34" in diameter and 346" thirth and weight 3 unuses. (Figure 1s) When the soldier is deto hit this disc with a high degree of regularity, a smaller macel like is subscieuced. (Pagary 35) This disc should be 12" in dismater and of the same hickness as the target

6. GROUND TARGET.

Upon condection of serial terget treating with ser ridia, the solder is directed to engage ground tergets with the same weapon. The ground terget with use domestice of a "w x 4" upon which ere mounted is hinged ministrums 1-type althought tergets representing at 5 mature 2-type silhowstes at 50 meters. (Figure 4) on each of these tergens a sirale, the dismatter of a michai is princed in a contracting solor in the seater of the jower third of the silhowstee. (See Chapter 4 and Appendix)



Side view of lever action six rifle used in initial Quick Kill Training. Note the clear top line of barrel and absence of sights of any kind.

Figure 1



Pair of plastic sefety glasses that protect from front, mids and top as illustrated.

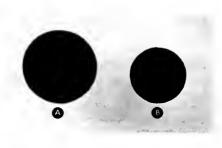


Figure 3s depicts the larger or first serial target of aluminum 3% in dissector

Figure 3h is the second or smaller serial target of "%" in disorter



Stationary pround target device (working drawing included elaeshere in this text)

CHAPTER 3

VISUAL CONCEPT

7. CENERAL.

Te is someon overtice swong the non-professional to consider the only function of the eye as one of equity. if for example, a person can read letters 1" high at a distance of 20 feet, he is considered to have 20/20 vislog; and, therefore, perfest eye function. This is not necessarily true since acuity is only one function of the eye. This simply comes that he doesn't need creesription lenges for reading. But vision plays a much larger role in men's life. If he can ses et ell, vision plays a part in every mentel and physical determination he wakes. Some skills other than Sculty that Play a part is shooting are death percention, size and distance discrimination, and coordination between eyes, brein and muscles -- perticularly those effecting the trigger finger. These skills, in fact, are highly important in the process of any discriminating movements for high performance is refined physical-wisual tasks. To become an affective Guick Hil shooter, for assume, a soldler must been no concentrate his visual focus on a given point of a termst -- either real or imaginary -- for some time period from a one-tenth of a second to a second in order to react properly and affectively engage the target at the point of focus or close to it. It is not snough to see the bulk of the target or be casually avere of its presence. The firer must instinctively select a specific and within the overall area of his target and that spot MUSI capture his complete ettention. This is the difference between merely seeing an object and REALLY LOOKING at that object. The precedure for accomplishing this and becoming a comperant Quick Kill shooter is further explained in Chapter 4.

8. MASTER EYE.

As more people are predominantly right or left hended in their excitons, they are clan predominantly right or left eyed and the deciment or stronges up is called the Master Sym. IT IS OF VITAL DEPORTANCE THAT THE MASTER RET OF EACH SOLDERS ES DETERMINED EXPORT ME THAT THE FIRST ANDROW FIRST ANA PART WHATER AS EASTE STEEL AND SOURCE ES DETERMINED. THE proce-

- a. The instructor stends in front of the soldier at a distance of 6 to 10 feet, placing his forefinger against his mose. (Figure 5)
- b. He instructs the soldier to someentrate on this point of focus with both eyes open.
- c. Then, the coldier extends his dominent arm, forms a circle with thumb and forefinger of that hend, looks through the sparture until he focuses on the nose of the instructor. (Figure 5)
- d. The moldlar's eye which appears to the instructor directly behind the finger circle is the MASTER BYE. (Pigure 6) In this filustration the MASTER BYE is the left eye.

The importance of pre-firing determination of the MASIER EYE lies in preventing acrors which would eventually have to be corrected. If a soldier is a right-handed shooter and has a mester isft eye, he has what is known as crossed-dowinance. He is inclined to strike his terger on the left side, left adge, or wise it sitogether to the left. The instructor remedies this by incisting the soldier keep his beed high (line of vision two -- three luches chave the top line of his weepon), erecy and turned elightly to the right so that the left eye is directly over the bore of the berrei. If the shoeter is left-handed and right-eyed. the procedure is reversed. Regardless which ere is a shooter's master eye, if he were his heed too low on the stock or the comb of the stock too high on his sheek (where line of vision and top lime of the wespon approach each other to the point of becoming the same line) he, the shooter, is blacking out the vision from his shooting side and is nicking up his slinement from the off eys. He therefore develops what is hown as a sarellax of vision. which meens he sees a target from a different point than he did with head held high and this produces an apparent displacement. If he is a right shouldered shooter, he is seeing across the surrie of the weapon with his left eye and believes it therefore is pointed to the right of his target. As a result, he putts to the left and astablishes a faulty slinement, producing strikes to the left of center. The effect, to fect, is similar to the one created by the driver of a sar who attempts to stay on the right side of the road white driving with his head leaning out of the window which will cause him to pull to the left.



Figure to the left is instructor checking master sys of soldier to the right. Note instructor places finger on mose in order to cophesize point at which student soldier is to look through extels made by the thumb and forefinger.



instructor sees what you see. He ares the left eye of student soldier behind thumb and forefinger circle. This moldier has a master left eye.

CHAPTER 4

ATR RIFLS TRAINING

9. COCKING PROCEDURE.

The sir rffls which is an present used in the initial scage of voick Kill training has a issur conting action which build my considerable pressure during the conting process. If the cocking is not carried out in the proper manner, it is not only rffing, but can be strongly danging to the fingers should the lawer all gard means them easiest be recommended to the continuation of the continuation of the continuation of the continuation of the continuation the various as in figure 7, publing the backs in a countar-circlebiase direction until the gas is fully cooked (figure 8).

10. ABUIAL TARGET SHOOTING POSITION.

From the screen intersection and as soon as the soldier is easigned to a firing point while instruction with clark him samer eye and if there is evented dominance be will take appropriate precautions as described in 64. Then the soldier (and observers, if any) will put on their safety planes. The instructor will satishin him in the "proport "shocking position, (from view, figure 3); right adds wise, figure 30g; laft adds view, figure 30g; and rear view, figure 110g; earchildy noting the following:

- a. That he is leading slightly forward and into his weapon.
- s. That his head is creek.
- c. That NOTE over are once and looking well over the weapon. NOT flown the barrel,
- d. That the vespon is locked into the pocket of his shoulder.
- c. That the stock is stock-walded to his taw.
- f. That the number of the Weapon is alevated to an angle of about 75"
- g. Then the Twomen is looked into position properly, it has become an extension of his ayes, and it is pointing where the student is looking and his whole body must move as a unit with his eyes, as they move to any target.

h. That his feet are confortably spread and his weight is on the balls of his feet for easy body unfance and mobility.

11. ADRIAL TARGET AND HEFLE SHOOTING TESTRUCTION.

a. "I on the soldler is in the "proper" position, the instructor should have him fire into the sic. As he looks over the barrel and about 15-20 meters beyond the end of the mustle, the coifeir should by not be to see from 138. We is in reality fixing an inerpensive tracer.

b. The instructor now shows the modeler the factual excisal termac (3)" massé disco or carefully organizate no the modeler that he is point to come the target a discrete of 2-4 central control of the control of th

- c. The instructor should throw two or three targets into the air for the soldier to chaerwa as dry runs prior to the soldier's firing his first shot.
- d. The instructor must sasume the proper position to relation to the solidar so the he may (1) observe the solidar's positioning of his piece, (2) decomine whether he is LOCKING as his target or pointing at it; and (3) follow the path of the SB. (Right slide view, figure 13s; left side view, figure 13b.)



Correct cocking procedure with right hand gripping lever, left hand starts cocking action.



Left hand forces harrel down to horizontal position while right hand remains stationary



Front view showing proper eye-horrel relationship. Fyes between $2^{\rm H}$ and $3^{\rm H}$ above top line of farrel.



Right side view showing proper eye-barrol relationship in preparation for firing on aerial target



Left side view showing proper cyc-barrel relationship in preparation for fixing on acrial target



Rear view showing proper erect head position in preparation for firing on seriet target.



4.1. 1. A.V. Issued proper position for instructor to take in relation to bit student, from tits mostlien instructor can more easily see how assument solidier is positioning to gon and look where he is lociting. Also from this position he will find it easier to show terms where it is issued appear in sign.



Right side when of proper position for unstructor in relation to student soldies write to throwing target



Left side view of proper position for instructor in relation to student soldier prior to throwing target

Figure 13b

- e. Instruction in Quick Elli should sleave be preceded by a thotough demonstration. The instructor must remember that affectiveness on the "Quick Rill" method of shnoting is based on quickly instilling confidence in the shocter; therefore, the more dressit the demconstration, within militery limits, the more effectively this quality is instilled prior to training. (A sample lecture and demonstration outline is at apparely IX.) So, from the very start, the instructor must hegen to instill that confidence. In effect, he is going to "talk" the soldier into hitzing. Therefore, the instructor talks to the soldier continuously while the soldier is shooting. The instructor may develop his own twos of "naster", but it MUST ambrace this kind of terminology, "Look at the top of your target. Match the top edge of your terest. If you are soins to miss, miss over the ton of your target". Aithough the soldiet may not consciously heat the instructor sach time, the cosching will have a subconscious affact and gat the proper resttion from the soldier. Bo not elected the costling and sontinually offer accompanement and congretelations as the soldier succeeds. NYVER be negative in your approach and NEVER reprisend the soldier as long as he is homestly tryingto matter how slow he is to learn. More so then in any other type of malitary instruction. must the instructor initially be a persuasive and convicting "salesmen".
- f. After each seriel terget is thrown and fired upon, the instructor must see that the soldier lowers his weepon and recooks it by the sefs leverage method (figures 7 & 8). Then the soldier premounts his weepon before the next terget is seposed.
- h. The soldier may desire to fire at smaller targets; such as candy life Savers or salt tablets, and should be procuseded to do so no his own time. Movever, training the is not allocated for practice firing of this nature.
- he should begin instructing the second solider. When the second solider is deing as well as the first, the interrector parse that two off as roach and pupil to work together. Coach and pupil to work together. Coach and pupil to work together. After he instructor about gramabor this and no solides the solides the fis instructing. After he has paired off all his soliders, he becomes an observer and serves only in an advisory capacity where soaded. During beads for rest or relateding, he fisterious will the requirement of each of the solides the soliders have been as the soliders and the soliders and the soliders are the soliders and serves only in an advisory capacity where soaded. During beads for rest or relateding, he fisterious will have "quick kill" to expect the soliders are soliders and the soliders are soliders and the soliders are soliders.

i. When the instructor has one soldler hitting the larger target 5 out of 10 times,

12. GROUND TARGET AIR RIFLE SHOOTING ENSTRUCTION,

- a. After the soldier has developed profitciency in hitting both the large and small surface targets, the mark step is aground targets. The outpost of satisf shooting, as to draw state a small satural shooting shifty, build his confidence in himself and fire up his orthogonal state. The satural shooting shifty, build his confidence in himself and fire up his orthogonal state. The satural shooting shifty his satural shooting shifty his satural shooting are not his general as the "mass of the gene", and slif further lestruction in this training trat will address treat for this subsect.
- b. The first point the instructor NUST emphasise to the solder is that PROTECTIVE GLASSES MOST ALSO EN MORE WRILE EMPLOYING EXOUND TARGETS. 58's will ricechet back from the ministure E type silhountess just as dange rousty as they did from serial rangers.
- c. The instructor puts the noidet in a "proper" shooting position, lessing slightly forward, wapons at the flow port position, feet confortably spread and wright on the balls of the less for balance so that he can engage tergets within on arc of at less 120° to his from without having on shift his feet.
- d. At this point the instructor MUST explain to the soldier that he LOOKS AT THE MASS OF A GROUND TARGET AS OFFOSED TO THE TOP OF AN ARRIAL TARGET.

a. It is a natural inclination to shoot over ground tergetr because of a tendency to oversettimest distances and resurgs to drew a comparison between the berrel and the target. Also, if the soldier dose miss, he weeks his shot to be low to that there still remains the possibility of affectively amgaing his target with the princhet.

f. With the roidist in a "proper" position, the instructor teaches him to "stick" or job at his target as he brings the usepan to his shoulder and stock-welfs the stock to jow. (Figure 15) TO NOT let the soldier "flag", "swing" or "sup" late firing position.

g. While the waspon is being shouldared, and during the firing, the soldier's eyes (NOTE FYES OFED) MUST be riveted on the contrasting colored spat appearing is about the base of the ministure silhoustte. In order for him to do this, he MUST drop the waspon from his time of vision so that he askes so comparison between the target and the smalle. (Figure 15)

b. The soldier is now ready to shoot ground targate. So MRT he rem set that, whould he also a ground targat, he is to mappe of different one either then could fing to first on the missed althought because the soldier mass the strike of his builtet. In the care of a miss, without high course for miss, without high colline to be restor or shoot triph; heady where he made his original every if he does not shift targate and ears the intercept without picture from his mid.

NOTE: Emphasize that a solidar would not shift targets in combat should be nime, but would continue in his afforts at reflectively segage the same approaching memory target. The shifting from a wissed ground sithwatte to accorde in energy a training sid to arried this is described. The shift is the "point NIII" matched world has been profitnist and instinctive in this restriction.

i. The instructor should applies to the solidar and contions to reside his the he is "on traper" as soon as his vaspen is looked into position and that he should not healtist to fire. The longer he write, the corts he is ept to elso or attempt to draw a comparition between the trapest and the meanie. On the other hand, he should not heary his earlier the should rebusides the weepon in one smooth fluid morement, see herriedly jets' it en his continued to the contract of the MANY ALTICATION.

j. The instructor must continually and continuously coach the soldier, just as in serial shooting. "Talk" him into hitting. Re positive, sneourging and congressivating upon each successful hit so that the roidier's confidence and authorizes are style in high pitch. STRESS SMOUTHMES. AND UNITHE.



Right side view of soldier lessing forward into his weapon, weight everly distributed on balls of feet with air effic locked into aboutder pocket, stock weiged to jaw. Note lice of vision 2" to 3" abo e rep line of hereis.





Front view showing proper position of instructor in relation to student soldier while he is emparing stationary air rifle ground target device

CHAPTER 5

SERVICE WEAPON FIRING INSTRUCTIONS

33. GENERAL. The inforcation included in this chapter concerning Quick Kill firing instructions is limited to their application to the Mil Tifle since it is the weepon made in the Basic Mile Narkemanchip Gourse. It should be noted, however, that the principle spoiles with other shoulder vectors.

16. TRANSITION TO M14 RIFLE.

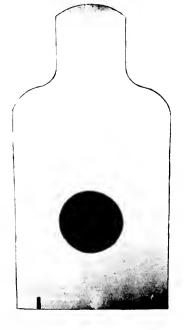
It is necessary to bridge the gap for the soldier who has been firing an air title at warms serial targets, which make devoloped his conditions and firing that schmidses missing the series of the series and the series of the series was proposed to E-type dishountles. The instructor pieces the soldier on firing line at a distance of 3 to 36 meters from an otype althounts the grap (preferably melectrically activated me so that the string of the builts touchs it down). The soldier of the series of the lower third at limitations of the series of

45. MI4 WITH RIS AS TRAINING AID.

- a. So far, the soldler has endined his firing to an eir rifle. We has lettend to LOOK at the target and MCP his weapon, this, of course, just phress is Quick Mill. The barrel of this sir rifle, however, was not anembered with sights, hence, there was no pre-turnion above the berrel to distract his eyes from the target. Thurston, when he looks his newice piece into the peaks of his shoulder, looking over the promisent sights of the Mil, and the size of the peaks of the Mills of t
- b. Although the effective Quick Kill Shooter does not consciously sline his berrel when picking up his target; he must be able to releve hisself to it just as the driver of an intendible keeps his care on the read by looking to the bortom, antivities his position on the confert to excooling his care on the read by looking to the bortom, antivities his position on the order to excooling his his care relationship between rife; and target when the salidar evidence from six rifle to service varyon, a temporary risk, figure 10 and b, in much. Booth from the are adjust are report, (Olfs, figure 10 and b). The top of this simple device, the rifle viewally apparent to the solder and gives the libution of the streight like plane of the air viewally apparent to the solder and gives the fillulion of the streight like plane of the air the ME MESCHY as he all did be str rifle.

16. HI4 QUICK KILL FIELD FIRING.

- a. The seldier initially causes the 5-type ellowants as pletned in figure 30, from view; figure 150, effective, using the 800 with resporty residing rib statemed as reason of 15 meters. After fixing 5 member, the seldier and instruction new convert to the responsibility of the seldier and instruction new forcered to the convertion of the seldier of the service of the service
- b. Following the instructor's correction of the soldier after 3 rounds at 15 maters, the soldier shomes months 7 rounds at 15 maters in order to determine if he has ends the appropriate corrections. NO USEFUL PURPOSE IS SERVED IN EXTENDING THE TRADER'S MANGE UNTIL BUT INSTRUCTIVE AT 15 METERS.
- c. After firing at 15 meters the firing line is moved back to 30 meters from which point the soldier fires 10 tonnds. He and the instructor then exemine the target.



Front view of ϵ -Type milhowette illustrating painted circle as fotal point for soldier who will engage it.



Figure 174. Top view of Mi4 showing temporary rib.



Figure 17b. Side view of M14 showing temporary rib.



Figure 18s. Top view of h16 showing temporary rib.



Figure 18b. Side view of M16 showing temporary rib.



From the view showing relationship of soldier's eyes to herrel of M14 = 2" = 3" about it



Right side view chowing relationship of soldier's eyes to berrel of MWA $\sim 2^{17} \times 3^{11}$ whose it

d. Finally, the solder moves back to 50 meters which is the ultimate extent of comps in quick thill training during the Back initia berkmannship Program. The solder first many and the solder first the solder than the solder first than the solder first think stage of training the solder is sufficiently second that confident to that the temperaty training the solder is afficiently second that do confident to the solder training the solder is afficiently second that confident to the solder training the solder is solder training to the solder is solder to take the solder training that the solder is solder to take the solder training to the solder training the solder training the solder training to the solder training training the solder training t

17. NIGHT FIRING.

The soldier will have completed his quick Kill instruction, both sir rills and service swapps, between the hours of 5000 and 1700. He is now weep for Bight Firting. The procedure is identical to that conducted during the day. The sights should continue to he tend so that there is no inclination to use than it has been the custom in he past that night firting was conducted at image of 50 and 72 meters if the prevailing light was adding to the conducted to the past of the process of the procedure of the process o

MODED. During experienced twelsing it has been the apprisone of the instructors that the periods of quick still instruction have had such a peritive affect on the sciller and devoitable the still instruction have been as period or quick and an advantage of the those who felt they could affectively magas any target -- regardless of range -- without wange the sight. In order to prevent say such rescaline, it is suggested that, during the state of the second secon

APPENDIX I

TEXT REPRESENCES. TRAINING AIDS. AND DESIRABLE PACILITIES.

1. General. This appendix is intended to provide a guide to all particular published training material, applicable training attack, and described healthies for the use of individuals responsible for conduct and separation of training. Text references and training added to the individual training and the provided and the provided training and training

2. Text References.

- e. Army Regulations (AR).
 - 320-5 Distinary of United Status Army Terms (Short Title AD)
 - 320-50 Authorized Abbreviations and Brevity Codes
 - 385-63 Regulations for Firing Assumittoe for Training, Target Practice, and Combat
- b. Pield Manuale (FM).
 - 21-5 Military Training Management
 - 21-6 Techniques of Military Instruction
 - 21-75 Combat Training of the Individual Soldier and Patrolling
 - 23-8 U.S. Rifle, 7,62mm, M14 and M14E2.
 - 23-9 E.R. R(flo. 5.16mm, 2016F1
 - 23-71 Rifle Markemanship
- c. Army Training Programs (ATP).
- 21-114 Male Military Personnel Without Prior Service
- d. Department of the Army Passhlets (DA Pam).
 - 108-1 Index of Army Films, Transparencies, GTA Charts and Recordings
 - 310-Seties Military Publications
- e. Training Text (TT).
- 23-71-1 Frinciples of Quick Ell1
- f. Books.
 - Instinct Shoating, M.C. Jennings, Dodd, Head, & Co., 1959, revised 1964.
- Training Aids. Training eids to support this ASubjSed are also shown in Appendix G, FM 23-71.
 - A. Training Films (TF).
 - 7-2796 Trainfire I (25 mln)
 - 7-3319 Rifle Markomeaship -- Target Detection (31 wie)
 - 9-2970 U.S. Rifle, Caliber 7.62mm, H-14 -- Operation and Cycle of Functioning (28 min)
 - b. Graphic Training Alda (GTA).
 - T(GTA) 7-1-2 U.S. Rifle 7.52mm, Hit and Hi4 (Modified) -- Mechanical Training

c. Hiecsliansous.

TOE equipment

Firing data cards

Shot proup analysis care

Riffin rest

Targat box

Target discs

jumny rounds

Aiming devices

Bhot proup templates

Righting devices

Risck lights

Biackboards

Projector and acrees

Cisaning materials

Represards

Pencils

Stoovatchas

Ranga tables, targets and target frames

Authorized amounition allowances

W4199 Air Bifles

Ground target devices

Discs (34" and 24")

BB Shot

Ribs (M16A1 Rifis) (* to b" in width not to exceed 4 ownces in weight, of appropriate lempth to fit the sarvies weapon being used and produced of a new reflective material, able to withstand temperatures no to 1120.)

 Desirable Facilities. The following facilities are required to conduct training se outlined in Saela Rifle Harksmanship Course (83 Hr).

Night firing range

25-meter range, with fomholes and atumps

Field firing renge

Target detaction range (two required)

Record range

APPENDIX II AMMITION Section I

 Authorisation. This table is for use to requisition and issue, on order, Commanding General, United States Continental Army Command, assumption for conduct of Sasic Combet Training.

Directions for Use. This table prescribes the allowances for training authorized individuals of the United States Army undergoing bests combet training in peacetime.

Section 11 AMMUNITION BREAKDOWN

- 1. Ammunition Required in Pariod or Exercise.
- e. Properatory Markemanship and 25-mater fiving:

PERIOD	POSITION	RDS/ INDIV	ADS/DEHO	NOTES
1 6 2		Rone		
3	Quick X11I		30/30-60	30 rds prec 30 rds demo
4	Qaick Xill	30		
5	Quick Kiii	30		
6	Night Firing	32		16 rds prac 16 rds record
7				
В	Prone	9	15/15-30	15 rds prec 15 rds demo
9				
10	Prone	9		
10	Prone Supported	3		
10	Sitting	9		
10	Squatting	9		
10	Knewling Unsupported	9		
11	Kneeling Supported	9		
11	Standing	9		
1 i	Poxhole	9		
11	Standing to prome (rapid reloading exercise)	4	4/4 - 8	4 rds prec 4 rds demo
12	Foxhois or prone supported	12		Sattlemight zero position, 25m fro terget.
		11		-

33

ERIOD	POSITION	INDIV	RDS/DEMO	NOTES
12	Refire week positions (maximum of three)	9		
13	Corrective instruction	18		
16	Sitting	6		
16	Squatting	6		
16	Rnes ling	6		
16	Standing	6		
18	Poxisole or prons supported	6		Confirmation of zero.
1.8	Standing to sitting (repid reloading exercise)	4		
	TOTAL	244	93-	
b	, Field Firing Exercises:			
ZRIOD	REG/INDIV		RDS/DEHO	HOTES
13	48		3/9 - 12	Tracer rde requirse 3 rde prec 9 rde demo
14	36			
15	36			
16	24		4/8 - 12	4 rds reh 8 rds demo
17	40			
18	40			
19	36			
	TOTAL 260		24	
	c. Target Detection:			
PEB10D	CORR TO TO PERIOD		NO. OF PRES	BLANK RDS REQUIRED
10	1		8	260
11	2			280
13	3		4	80
14	4		4	376
15	5		4	368
17	6		4	***
19	7		4	600
20	8		8	240 480

d. Record Firing

COLES	RDS/INDI	V 3,06/0690
20	56	None
21	40	None
	TOTAL 96	

Rda ball per individual	600
Rds bail par unit (demonstration and rehastral)	110
Rds tracer (demonstration and rehearsal)	12
Rds blank per unit	2,704

APPENDIX III

SAFETY

1. FURPOSE,

This appendix is intended to supplement AR 385-63. The asfety proceutions listed below have general application and must therefore be supplemented by local regulations governing the operation of specific facilities; e.g., night fring ranges.

- 2. HECHANICAL TRAINING.
 - e. All rifles must be sleared prior to conducting machanical training,

NOTE: A weapon is clear when the bolt is open and locked to the rear, the magazine is removed, the safety engaged, and the chamber void of assumption.

- A careful chack of dummy rounds must be made to limite that no live ammunition is among tham.
- c. Toolboxem, spars parts boxem, or other containers in the vicinity of the training eras must be checked to insure the absence of live assumition.
 - 3. RANGE FIRING.
- a. 35 gune will never be pointed at any individual due to the possibility of stuck 25°s is supposedly empty gune.
- b. Safety goggles will be worn at all times by all Individuals on or near the firing line during ME gun firing because of the high ricochet rate of the ME's.

c. Care must be exercised in the cocking of the 85 gam because of the tendency of this gam to fire during the cocking process thus causing the cocking lever to same back, infiltering injury upon fingers. The sorrect sathod of cocking is described in Chapter 4, parserarch 7.

- d. Dursey rounds must be checked to insure no live assumition is among them.
- e. Each rifls will be inspected by an officer or NCO prior to firing to insure there is no obstruction in the bore. Upon completion of firing, each rifls will be inspected to insure that it is -lear.
- f. Except while being used to conduct live or dry fire exercises, all rifles will have the bolts open and exferies engaged.
- g. When a rifis is carried on the range, the muzais will be angled up and down
- h. During live fire exercises, all rifles present on the range will be presumed to be loaded and must therefore never be pointed at anyone or anything except the authorized terests.
- During daytime live fire exercises, a red attenmer will be displayed from a prominent location on the range.
-). During night firing exercises, a red flashing light and a red streamer will be displayed from proximent locations.
- k. Live firing will not be conducted until all prescribed roadblocks have been established and all nocessary range guards posted.
- Amountaion will be issued only on command from the control tower.
- m. Sifles will be loaded (or simulated loaded) only on command from the sontrol tower.
- $\ensuremath{n_{\mathrm{s}}}$. Prior to firing, all individuals to include reage personnel will be informed of the safety limits of the range.
- o. When not being used, rifles will be placed in tacks or in such a position as to be easily inspected to insure the bolts are open and safetime angaged.

- p. Dry firing will not be conducted in rear of the firing line unless supervised by an officer or NCO.
 - q. Smoking is not permitted on the firing line or near assumption.
 - r. Eunning is not permitted on the range,
- Personnel will not move forward of the firing line until given classence by the officer in charge.

2. Asymme observing an useafe condition during futing naturalises about give the command GUAST FIRID. Most their command is given, it will be reigned immediately to the notice) tower sperator who will command GEAST FIRID. The range nated stiffer an expansible for investigating the consequence of the consequence o

- α . All personnel will be inspected for breas and amountaion and their wespose cleared prior to leaving the range.
 - 4. SAPETY MONCOMMISSIONED OFFICERS,
- a. The principal duty of sefecy NGO's is to enforce sefety regulations to include impacting weapons upon completion of fiting to insure they can be safely removed from the fiting line. Safety NGO's way also be used to critique and correct the fitner's application of fundamentals, provided this duty does not interfece with their principal task of enforcing safety regulations.
- b. Safety NCO's must endoratend the various signata necessary to insure safe operation of the ramps. If possible, each safety NCO should be equipped with a safety paddle to satisf in giving these signate. Methods of giving signate with and without serious paddles are a follows:
 - (1) With safety paddles.
- (a) NOT READY or NOT CLEAR -- The emfety paddie is held over the head with the red side facing the control tower.
- (b) READY or CLEAR -- The mafety paddle is held over the head with the white side facing the control tower.
 - (2) Without sefety peddles.
- (a) NOT READY or NOT CLEAR -- The safety NCO faces the tower and extends both arms over his head with his hands cleaped,
- (b) READY or CLEAR -- The safety NCO force the tower and extends his arms up and to his front with the palme of his hands toward the control tower.

APPENDIX IV

MAINTENANCE

- General. The Army Quick Kill air rifle, a breakdown of which is illustrated in figure 20, must be maintained to insure proper functioning at all times. This appendix is a suife for commendary in establishing and conducting proper maintaineases.
- Maintenance of the Air Rifls. The sir rifls used for "Quick Kill" training requires
 daily maintenance. The delity maintenance is:
 - a. Clear the exterior of the weamen.
 - b. Clean the shot tube to remove will foreign matter.
- c. Place 2 or 3 drops of oll into the main burrel in the hole marked "oll here" just forward of the precious.

3. Malfunctions of the Air Rifle.

a. Now implementable result from foreign matter or jamed 38 het in the short table. To remote the matter, the short table most be recoved. The all rifty impide he hold with the recovery control of the short table. Sometimes the matter than the recovery control of the short table. Sometimes the short table story just your heads to we story the short table from the weapinn. Then clean the short table and berryl to remote story the short table from the weapinn. Then clean the short table and berryl to remote all lett. If the short table cannot be removed by head, a pair of pilaze may be used to remove the short table are saved, it may strip this growton on the short Lote, and the short table must be sufficient to the mast table strip the growton on the short Lote, and the short table must be sufficient to the sufficient table such tables. If pilaze not you used to remove the short table such tables to the supplier tables to the supplier tables to the supplier tables the supplier tables to the supplier tables to the supplier tables the

b. If the waspon fails to sock, it is due to a defective flaxible plunger head assambly, a defective trigger assembly, or a worm deking lever. To replace one or more of these parts. follow the disassembly leavestions in paragraph.

4. Disavaembly and Assambly of the Air Rifle.

- s. Dissessmbly: To dissessmble the M4199, the following steps must be followed:
- (1) First, remove the three stock ecrease on the sir rifle, found on the top, right and left eides of the receiver near the stock. Gott, separate the stock foot the main barral sameship by applying slight raneward pull on the stock, as the MVIDV Air Sife is not according to the stock of the side of the stock of t
- (2) Then remove the trigger seamely acres located on the laft hand side of the rife is of the side ower the trigger assembly. Nemove the trigger assembly by greated the rife is of accessive group.
- (3) Take the cocking laver bulk wreach (figure 21) and remove the hax nut on the right hand side of the rifle thet holds the socking lever into position. The remove the socking lever by moving it as if you were going to cock the waspon. The socking laver will fail free.
- (4) To remove the fiscible plumper had ascenbly, with the normale and agricust a stationary sphere such as a work hereb, insaste the plumper fork (figure 22 and 23). Pash the plumper fork wall forward until you are able to remove the spring sector. After removing the plumper fork wall forward until you are able to remove the spring sector. After removing the plumper for the present of the plumper fork and removal to the two processes the plumper fork and the unique for the plumper fork of the plumper fork and the plumper fork of the plum
- (5) After removing the direction ground remove the washely, you may find that the plunger washer has remained in the main barral. To remove this washer, push say type of a rod, such as a bore rod for the standard service waspon, through the bors, inserting the rod clirat through the summiss and. The washer will them fall fram.

- b. Assembly: Sefore assembly, the moldier must insure that all parts are elsen sad operable. If the cocking lever, flexible plunger hand accambly, or the trigger sesembly is wore appreciably, it would be advisable to replace one or all of these parts. These seare parts are normally eached with such set of two sir rifles. If you need additional replacement parts, one peragraph 5. To secentle the sir rifle, replace the parts in the raveree order from disassembly.
- (1) Replace the new or the original flexible plunger head essenbly. Insert the flexible plunger head assembly back into the main herral assembly with the plunger head section or the rod, entering the wespon first so it is laid out in figure 23. Greese must be placed on the plunger head case. This is the part that is perpendicular to the flexible olunger head at the rear of the plunger head sesembly. Insure that the greated part is pointing down. Sest the flexible plunger head essembly fully forward using the plunger fork. Holding the plunger fork fully forward, insert the spring enchor (Fert #62). Senove the plunger fork and insure that the plunger head assembly remained locked into position.
- (2) Insert the trigger sessebly natil the screw holes are in line. (Do this by looking into the screw hole for the trigger assembly screw on the left side of the main berrel sesembly.) After aliming these holes, lnsert the trigger assembly serew and tighten is with a screwdriver.
- (3) To resest the cocking lever, place it into its normal closed position and alloe the sersy hale to the cocking layer with the sersy hales for the eacking layer sersy. Insert the cocking lawer serry and sersy it tight, but not so as to hinder the movement of the cooking layer. Replace the hex out with the cooking layer bolt wrench.
- (4) Reseat the stock, alining the screw holes in the pain barrel speembly. Replace the three stock serms, but insuring that you replace the screw on the top last.
- (5) This completes the sesembly of the MA199 Air gifle. To issure that it is assembled correctly, cock the weapon and attempt to fire it. Should the rifls feil to function, diseasemble the wearon sod inspect it for preser seembly. After locating the trouble, once again follow the steps for seembly. Repeat the process until the weapon operates correctly.
- 5. Repiscement Parts. To order repiscement parts for the NA199 Air Hifle, write direct to the Deley Manufacturing Company, Rogers, Arksuese, and sek for the parts by name end number.

A list of the perts and their Individual pries la as follows:

25		Shot Tube	\$1.50 me
98		Cocking Lever	\$.75 ee
99	В	Main Barrel	\$2.50 es
99		Complete Plunger Assembly	\$1.13 es
95	S	Stock	\$2.50 ea
99		Screw Assorthent	\$.25 ea
95	T	Trigger Assembly	\$.50 00
99	F	Foresyn and Fin	\$1.50 se

The following additional items may also be ordered direct from the Daisy Nanufacturine Company:

Ģ166eae				\$.00	ce
Plunger	Fork			\$7.50	
Cocking	Lever	Bolt	Wrench	\$2,50	••

APPENDIX Y QUESTIONS AND ARSVERS

As en eid to the Instructor, listed below ere the most roumon questions esked by a coldier end the enswers to them.

1. Quertlou: Why do I have to wear these protective glarase?

Answer: To prevent a BE rirochet from putting out your eye.

2. Currilon: i already wear procription pleases. Why are they not expush prostection?

ADBWATT Surause the lorrs of the rirocheting 65 in sufficient to shetter most prescription pleases; sod. eithough the SS would probably not yearh your eves. fragments of gless would. You ran still west your prescription glarses with these safety glasses put on over them.

3. Question: Why do I keep both eyes ones?

Anguer: Sereuse your lorus le sherper, your depth parreption is more sout a and your slinement le trurr. When you rloss one eye, you redure your visu-sl eflirleney

by 50%.

4. Question: Why do you tell me to look at the top of an arriel target? Answer: For two reasons. Piret, your eyes are higher than the herrel. If your eyes

are riveted on the top of the termet, your line of lire will be toward the center of the terget and not below it. Seroud, you need to learn how to focus on a point. Il you look at the whole target, you will shoot all around it, but il you concentrate on the TOP EDGE your shot will be in there. Eventually, se you herome more prollrient, you will be able to look at any appt on the terest and hit it. (This is why experienced "Duirk Bill" sheaters are ship to

shoot the paper center out ol a wesher), 5. Question: Why (il the coldier is right-handed) must i extend my ielt hand so far down the barrel toward the mussle?

Serence it is your leading hand and it takes the weapon to the target, just as Answer: when you point at an object you extend the pointing arm in order to reduce the

mergin of error.

Question: Why do I wisr so ronrietently below serial targets? Answer Serauce you look at the whole target instead of TOP EDGE or you are getting

your head down too ler on the berrel end having to drop the weepon out of the

way so that you can one the target. 7. Queatlon: Why do you say I can't shoot over the target? Angwers You can, but only by pointing the weepon over the top of the target or looking

too far over the top of the terget. if you are looking at the TOP SDCE, there le no way to shoot over it bersues to do so you would have to blot out the terget with your berrel.

8. Quantion: Why do you say that small targets are no more afficial to hit than large ones? Answer: The apparent difficulty in hitting small dargets is primarily psychological. In fact, regardless of size of target, if you miss it, you miss it by the same arount. If you concentrate on the TDP 1005 (Abstract its size), you will

 Quantism: Why is it important for me to slways less into the wrapon whether target is sarial type or ground type?

Asswer: It night not make too wuch difference with an air tiffs except that your balance is better; but, if you tried shorting a service weapon off-balance and lessing backward, you might wind up in the prone yeartion foeking at the Sky.

10. Question: Why le it important for me to be able to see the SS?

Answar: Because it in "the poor man's tracer". You can see your own arrors in addition to my explaining these arrors.

li. Quastion: Why don't i lend, track or sin?

hir ir.

Answer: Simplicity is the key to "Quick Elli" fire It is reactive and uponteneous.

It is not thought out, calculated or calibrated on In, say, artillary fire.

In "Quick Elli" your space serve as built-in computers. That is why this
method of fire is a fast and treated ran be affactively wanged on quickly.

12. Quastion: Why do you tall me to slow down?

Answer: Become heats makes wasts. If you jump at your testet, you gat off a jarky inscrutate abot. To be an affattive, and shillful "Quick Kils" shooter, you must devalop a smooth flaving chythm in mounting the waspon and getting off a shot.

 Question: Why must I look at the SOTION of a ground target, if I look at the TOP of an arrial one?

Annuary There are the presence for this. First, it is a netural inclination to shoot over ground targata hecase of a reminency to oversettience datances and an urga to draw a comparison hetwan the sun herral end the targat. Sy looking at the lower portion of the targat and dropying the waspon down out of the line of sight, you are whis to hit the torget mast the center of meas. Second, if you do miss, you want to be low so toth their still creation the youshillity of amaging the terget with the ricechet. If you fits over the target's head, you have not easy missed, but have no visible means of correcting the error. It's promobility to tall by how such you want over.

14. Queetlon: Why do you insist that, if I miss a ground target, I do not shoot it again, but go to enother target?

Answer: If you miss a ground terget and sen the atrike of the bullet, you are inclined to do one of two things, aithe earst to bracket the terget, or shoot right back where you wan the string bullet atrike because your open are attracted to that point. You need to wipe that visual picture out of your mind. You

do this by gaing to mother target. Then you can return to the scased target.

15. Overtion: I find I can now elfactively engage serial targets and ground targets with the sightless after fills with no trouble, but I am shooting at a range of I5 feet.

New ran I trensier this new found knowledge and ability to a service weapon with the protruding sights and when my range is many metera, not a matter of

Answer:

a few least
In the first place, you won't be shooting your service weapon at serial targets. You were taught to do this with the sir mille emply to dramatically
ilfustrars how much better you can shoot than you thought you could. In
addition, you were learning how to hit moving targets, as far as ground
targets are concerned, you fire on them with the service weapon sharely as
you have done with the air fills. You adoply look over the sights (BOT
AMOUND THEM). You fearon your eyes on the intended point of impact (es an
aid in training an erange spot is painted in lower center of 8-Type althoughts),
bring your weapon rs your aboulder and LOORING over the sights, pull the
trigger. You will hit; end, with precrice, you will he deedly at ranges to
100 waters and more. At far ranges and whan you have placity of time, use
your sights, "Quick Kill" is just as the name implies, when an unamy target
emperar at a care rrange and your nervives! depends on speed and reaction rowbined with accuracy, "Quick Kill" is the sames.

APPENDIX VI

SUBJECT SCHEDULE SECTION 1

CENTRAL

- 1. Formose. This Army Subject Schedule provides uniform guidance in rifle marksmanabin training for male military personnel without prior service in all components of the Army.
- 2. Training objective. The training objective is to develop in every soldier during basic combat training, the confidence, will, knowledge and skill to fire a rifle and hit enemy targets in combst.
- 3. General training notes. This subject schedule is a guide for commander and instructors in planning training, preparing lesson plans and for scheduling training.
- (a) This course is to be presented under ATP 21-114, Besic Combat Training. It is designed to be presented on iscilities listed in appendix i hereto. The course will be implemented on order, Companding Constal, ISCONARC.
 - (b) Training management will be guided by FM 21-5.

T

- (c) The military instructor must be familiar with the principles and techniques defined and discussed in FM 21-5, Techniques of Military Instructions.
- (d) Each hour of instruction in this subject schedule raflects 50 minutes of training time.
 - (a) Assumption regularments are listed in appendix 3 hereto.
- (f) The exemination stage of the terching process is covered in chapter 11 of PH 21-5. Time is provided in issuen cuttings, section lil, for testing. The instructor must exercise judgment and consider the level of the group in order to propers and edminister velid teats. Wherever practicable, tests should be of the perfermence type. Test questions must be clust and concise and capabia of only one correct answer. Negative statements In test questions will be avolded.

SECTION IL

MASTER SCHOOLS

Last Variations area Training Aids and Equipment

4. Senic Rifle Markemenship Course (83 Hr). This course is to be presented under ATY 21-114, Basic Combar Training. The course will be implemented on order, Commanding General, USCONASC.

£	4	2 48 2 2 2	TEXT NATE THE PA	CASE	
1	1	Orientation. His- tory of the Tifle Markementh pro- gram, development of the Tifle and role of the Infantrymen. Emphasise that basi- cally all soldlers are Infantrymen.	IN 23-71, pers 1-57, app C 5 N.	Cless- goom	None
2	4	Nechenical training: Integrated conference demonstration and practical exercise or nomeniature, dless- sembly, Jasambly,	pers 18d, app 3. El 23-9, pers	Class- room.	I(GIA) 7-1-2, Chert, Cycle of Operation, M14 Rifle; IP 9-2910.

2	<u>8</u>	Latton	Taxt References	Arm	Training Aids and Equipment
		adjustment of sight catalion, rear sight calibration, func- tioning, stoppages and immailsts ac- tion, care and cleaning, jubri- cating, loading and unloading of the rifls,			
3	4	Alr Bifls Training: Integrated confer- ence, demonstration, and practical ax- associes. Introduc- tion to Quick Kill, serial terget and ground terget an- gagement.	Training Text 23-71-1	(op-	Air rifls Mil99, 34" and 22" diss targes; and target device; (1 for each 2 students) safety goggles (1 for each student).
4	2	Transition to M14/ M16A1 with vibs: Practical exercise- firing 10 rds at arch 15, 30, and 30 maters,	Training Text- 23-71-1	Night firing range.	Safety paddle, one per safety NCO. (fig 11s,PX 23-71): One wooder ris per N14M1641 rifls. Tape nn rear slight spetturs, N14M1641 riflc.
5	2	M14/M16 Firing with- out ribs: Fractical exercise - firing 10 rds at each 15, 30, and 50 meters.	Training Text - 23-71-1	Hight firing range.	Rafety peddle, one par safety MCO. (fig 118, FM 23-71),
8		Hight firing: in- tegrated conference, demonstration of principles of night vision, scanning, and detection of targets during pa- riods of linited visibility using Quick Kill techniques,	Treining text - 23-71-1	Hight firing range with blanch- ers.	Charts - construction of buman sys, off caster vision, Elecknot lights as required.
	(2)	Practical exercise night firing.	Training Text - 22-71-1	Night firing range - 25, 50, and 75 maters.	One safety sco. (fig 118, FM 23-71)
7	2	farrodection to antinamental trin- ing integrated configence, demon- stration and prac- tice and prac- tice and prac- tice and prac- tice and prac- tice and prac- paration of the along practice and placement of the along point, four of the yea, steely hold factors, with courter, add in sixing.	FM 23-71, pers 5-5, 45; app 8 est 5-7, 45; app 8 est 5-7, pars 22-74	25 meter range.	Y(CMS) 7-1-2, Chert, lemen- tants of corest Eight Altomanc (Fig. 3, FR 23-71); Altomanc (Fig. 3, FR 23-71); Cuerby bold Sections (fig. 113, FR 23-71); Sign picture model (Fig. 112, FR 23-71).
			44		

_			Text Beforences	Arce	Training Aids and Routement
₽	×			25	
8	4	Preparatory narias- mensing tracting- sensing tracting- ence, demonstration and practical earn- codures status, along, 23 meeting along, 23 meeting rd demonstration of proce position, decisa of the condition of the condition fitting by a proceposition, demon- tration fitting by a representation of the collow through, call- ing the shet, use of the collow through, call- ing the status of the rest status of the rest status of the rest significant of the rest significant of the rest significant of the rectificant of the rest of the rest of the collowing and the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the rectificant of the	79: 22-71, pare (-)-6-16; app 8, C, 6-0. (-)-6-18; app 8, C, 6-0. (-)-7-9, pare (-)-7-		Rose alghe model (fig 13), Clining that carried and the state of the s
•	2	Integrated confer- ence, demonstration and practical ower- cies in terest box exercises, shot group analysis card, prone supported posi- tion, review of ball and durmy exercises.	FM 23-71, yers 10, 15; app 8, C, and G.	25 Mater range,	Rifle rast, target box, target diac, one per two students (fig 29, PM 23-71); Shotgroup analysis card, one per student (fig 22, PM 23-71); Domey rounds, as required; Hetafits target (fig 117, PM 23-71).
10	8	Fractical work in firing.			
	(6)	Intagrated conference, demonstration and practical exer- cist Practice firing from the prope, prone supported, altring, aquating, and kneeling unsupported firing postions. Condust a progress check of these positions.	EN 23-71, pare 10, 17; app 6, C, and C. FM 23-9, pare 22-24	25 Meter range,	Mafety paddle, one per anfaty NGO (rig 118, TM 23-71); Shot group tem- plate, one per safety NCO (fig 33, TM 23-71).
	(2)	Target detection: Integrated confor- Integrated con	FM 23-71, Ch 5, app 5, F. and G; FM 21-75, pare 21-23, 37-60.	Target datac- tion renge.	%(GM)/J-1-4, Sarget Detaction (fig 150, PM 23-71) Blackboard; Fargat Detection Answer Sheat (one pur student) (fig 106, PM 23-71).

<u>E</u>	Lesson	Test Beferences	Å E BE	Training Aids and Equipment
7	Przetical work in firing.			
(5)	Integrated confer- ence, demonstration and practical exam- alses Fractical work in firing from the kneeting supported, stand- ing and toxbole posi- tions and rapid raiseding. Conduct prograss theck of these positions.	FM 23-71, pate 10, 17, 21; age 8, C, and age 8, C, and G. FM 23-9, pera 22-24.	25 mater ranga.	Sefaty paddle, one per matay 800 (fig. 115, PH 12-71); shot group complare (fig. 30, PH 22-71), one per safaty 800.
	Torget detection: Integrated confer- ence, demonstration and practical exar- cise: Deceting, marking and detar- mining range to single accionary targets,	Sama se period iG.	fargat detac- tion renge.	T(CIA) 7-1-2, Chert, Target Dacection, (fig 120, M 23-71); Elarkhoerd, ane targat Datection Answer Shast per atodent (fig 106, TM 23-71).
4	25 Mater firing-			
(3)	Integrated confar- mon, demonstration and practical arearises Eavier aight changes, ex- plain the principles of bettlessight asso- ing and rear sight saidrettion, practi- cel awards in battlessight assoing.	PM 23-71, pare 16-18; spp E, C, and G. PM 23-9, pare 30-36.	25 mater yanga.	Rearr sight model (fig. 115, PM 23-71); Principles of bettlesight Zero. (dig 35, PM 23-71).
(1)	Integrand confer- men, demonstration and practical corre- tions. Neither substra- tions are substrated in the the student failed on previous programs sharks (was of them, and the substration of the instruction and firing for those arudency as failed to obtain their 150 mater battlesight acro.		25 meter renga.	Shot growy tempists (its 35, 90 to 20 to 2

P

Ł	R	Leggen	Text References	Area	Training Aids and Equipment
13	8	Field firing and terget detection Introduction to	PM 23-71, pera 19-20, 23, 25- 27; app 5, C, and G.	Field firing range.	Fixed eight elimenent davice (fig 114, FM 23-71); Automatic target davice (N31A) with E type eli-
	(4)	figit Sirles, we could be the adjusted a sining point method of target measurement, effects of wind, integrated conference, denon-servation and preticul exercise titel exercise the target rate of the target rate workers.			houste (fig 39, PH 23- 71); Eafery padds, one per safety NCO (fig 118, PM 23-71).
	(2)	Preparatory Marks- manuhip: Integrat- ed conference and practical exercise to correct eny worknesses not- ed in the integrat- ed set of shooting.	PM 23-71, pare 9-10; app E, C, and G.	25 Heter renge.	As tequired,
	(2)	Tergst detection, integrated confer- ence, demonstration and practical exer- cise lu detecting and simulating en- gaging single moving targets.	FM 23-71, pare 35-36; epp 3, c, end G; FM 21-75, pare 21-23, 37-40.	Torget detec- tion renge.	Y(CEA) 7-1-2, Chart, Single Howing Tergets (fig 121, JM 23-71). Terger detection ensurer sheer (fig 107, FM 23-71).
14	4	Field firing end terget detection,			
	(2)	Field fixfust In- tegrated conference, demonstration and practical searcise by reviseding the fundamentals of firing positions and field firing on simulated educating targets.	PM 23-71, pare 10, 19-20, 23, 23-26; spp K, C, and G. PM 23-9, pare 22-24	Field firing range.	One sefery peddie per sefery NCO (fig 116, PM 23-74).
	(2) Terget detection: Integrated confer- ence, demonstration end practical exer- cise in locating and marking multiple moving targets. Raview range deter- mination.	FK 23-71, Cb 5, app E. F. and Cb FM 21-75, pare 21-23, 37-40.	Target detec- tion range.	T(GTA) 7-1-2, Chark, Musti- ple Noving Fregets (fdg 122, FM 23-71) Aiming device, ea per renge requirements (ffg 52, FM 23-71).
15	۵	Field flring and target detection.			
	(2) Field firing: Es- view range proce- dures, use of the edjueted siming point method of target angement, firing et surprise tergets.	PM 23-71, pare 19-27; app E, C, and G.	Fleid firing rause.	One nefety paddia per nefety NCO (fig 118, FK 23-71).

Ħ	l-segon	Zent Bafarancas	\$24E	Training Aids and Louisment
(2)	Target detection: Integrated confarence, demonstration and practical exercism in use of a sector exacts and locating elugic and multiple targets by sound,	Sume as period 14	Target dater- tion range.	Blackboard.
4	Field firing and 25 sater firing.			
(2)	Field firing: In- tegrated uniference, demonstration and ptetical exaction in rowing with a loaded weapon, ea- suning positions rapidly and engag- ing surprise ter- gate.	Same em pation 14	Field firing tenge.	Smfety paddle, one pas amfety NCO (flg 118, PK 23-71).
(2)	25 acter firing: Integrated confer- smcs, demonstration and practical exection in terleving mation- manship fundamentals. Firing from the sit- ting, equatting, imaci- ing and standing posi- tions.	FN 23-71, ch 2, pers 12-27; app 3, C, and G. 7M 23-9, pers 22-24.	25 meter rangs.	As required: Sefecty paddle, one per asisty NCO (fig 118, FM 23-71).
4	Field firlns and ter- get detection.			
(2)	Field firing: In- tagrated conference, descentization and gractical assection in range procedures, te- view fundamentals as moving with a loaded usepon and associng positions rapidly, practical sacrise in tapid teleding.	Summe we pureled 14.	Field firing range.	Safaty peddin, one per asfaty NCO (fig 118, FM 23-71).
(2)	Targat detection: Integrated confer- ence, demonstration and practical ense- ciae, introduction to combat movements, personal camouflags, practical work in cancuffage and movement skills.	FM 23-71, ch 5, app E, F, and G; FK 21-75, pare 9, 21-23; 37-40,	Taugat det ac- tium renga.	åe raquirnd.
4	Field firling and 25 meter firing.			
(2)	Field firing: In- tegrated conference, demonstration and practical exercise, in engaging linear	PM 23-71, pare 19-27; app B, C, and G. PM 23-9 pate 28, 29. 48	Field flring range.	Seffety paddle, one per sefety NCO (fig 118, 78 23-71).

Ħ	Lenson	Text Seferences	ères	Training Aids and Equipment
	surprise tergets, practics is repid relocding and im- mediate action.			
	25 meter tiring! Integrable confer- mncy, demonstration and practical sear- ciae, rungs proce- dures, seitary, con- firmation of bettla- sight zero and re- vice the adjusted siz- ing point eathed of running positions rap- fully and reloading exerciae.	PH 23-71, page 10, 20, 21; spp 0, 0, and 6. PM 23-9, pars 28, 29.	25 meter range.	Seftsy paddle, one per agraty MOG (fig 118, 7% 23-71) and se required.
4	Field firing and target detection.			
(2)	Field firing: Integrated conference, deconstruction and practical assercies, range proxidures, mathod of empains linear type targets, rapid raiseding and immediate action, asserting of the fundamentals of riffs markemenship.	FM 23-71, ch 2, perm 19-27; mpp B, C, end G.	Field firing range.	Safety paddia, one per safety NCO (fig 118, PM 23-71).
(2)	Target detection: Integrated confer- ence, demonstration and practicel exer- eiss in iocating and marking 8 combination of sound and sowing targets. Review tar- get detection princi- ples.	FN 13-71, ch 5, app 8, F, and G. FN 21-75, pars 21-23, 37-60.	Tergat datac- cion renga-	Aintog device, per ranga requirement (fig 52, PM 15-71), Chart, Targat Dataction (fig 120, PM 13-71); Chart, Multiple moving targate (fig 122, PM 23-71).
4	Secord firing I and target detection.			
(3)	Racord living IT Integrated confer- ence, demonstration and practical exac- cias; orizantation and conduct of record fifting I, datecting and en- pating single au- ticomy combat typa targets is thair patural surround- ings.	PM 23-71, ch 6, app E, C, acd G.	Record range.	Record I doubt shees, (fig 82, Nr 23-71); and(sty paddle, one per sefrey NCO (fig 118, 29 23-71).
(1)	Target detection: In- tagrated conference and practice: exer- cise in locating and determing range to single stationary tar- gate. To Test I.	opp S, sed F.	Target datec- tion tangs.	ID Test X, Answer Sheet (fig 106, FS 23-71).
	ga,	49		

3	Lesson	Text References	Aree	Training Aids and Equipment
4	Record firing II and terget detection.			
(2)	Second firing II: Integrated confer- mome and practical exercise; conduct of record firing II, detecting and engag- ing multiple sta- tionary combat tar- gate in their natural surroundings.	Seme ee períod 20.	Record firing range.	Secord II score sheet, (fig 62, PH 23-71); sefaty seddie, one per sefety NCO (fig 118, PH 23-71).
(2)	Terget detections integrated confer- ence and practicel exercise in locating, marking single and multiple moving ter- gets and locating targets by sound; TO Test II and III.	Seme ss period 20.	Terget datec- tion range.	Aiming device (fig 52, FM 23-71) per range requirement, TD Leet 2 ext 3 souver sharts (fig 110, FM 23-71).

Secrice 717

LESSON OUTLINES

5. Ranko Sifle Markemanship Course

a. Piret Period (1 Hr)

(1) Leason objective: To orient the coldier on the role of the riflemen and the source of instruction.

(2) Lesson outlies:

- (a) Introduce the subject by presenting eq orientation on the source of instruction. (20 min)
 - (h) Discuss the development of the rifle and the role of the rifleman. (20 ata)
 - (a) Deview seriod of instruction. (10 m(a)

b. Second Period (4 Hr)

(1) Leseon objective: To acquaint the coldier with the capabilities and limitations of his rifle and to notivete him to become an expert rifleman. To teach the soldier the numericleture, dissessably, sessably, adjustment of eight tension, functioning, stongeres and immediate action, more and cleaning, lubricating, loading and unloading of the

rifle. (2) Lesson outline: (a) Organize the class into eight or ten men groups, sheck for classesce

- of rifles and isspect dummy rounds. Introduce the subject by outlining the scope of instruction. Point out the outside nomenclature of the rifle. /10 m(n) (b) Explain, demonstrate and conduct practical work in the disconnebly
- (25 min) of the rifle to the extent of field etripping.
 - (c) Dissues nomenclature of parts by conference and practical work. (10 min)
- (d) Explais, demonstrate and sondust practical work in the essembly of (25 min) the rifle.
- (a) Explain, demonstrate and conduct practical work in adjustment of (15 min) sight tension.
 - (f) Explain and demonstrate colfbrotion of the rest eight. (15 min)
 - (e) Discuss functioning. (35 min) (h) Demonstrate and sonduct practical work in loading and unloading the
- rifle to include single rounds, asgacines and five round certridge slips. (15 min) (i) Discuse ecoppeges. Explois, demonstrate and conduct practical work
- in epplication of immediate estion. (1) Explain proper sere and cleaning of the rifle. (20 min)
 - (b) Explain and conduct practical work in application of rifle lubricante.

(25 min)

(5 min)

- (1) Summarize period of instruction. (10 ats)
- c. Third Period (4 Mr)

(i) Laccon objectives: To introduce the coldier to the Quick Kili techniques, the correct firing position, and to reach the soldier to accurately engage both serial and ground targets with the sir rifie.

	(a) introduction.	(5 min)
proper firing end	(b) Demonstrate and discuss the Quick Bill techniquer to include lecaphing position.	the (40 min)
	(e) Summary.	(5 min)
techniques.	(d) Practical exercise in firing at aerial targets using the Qu	iek Kill (90 min)
techniquee.	(e) Practical exetrise in firing at ground targete using the Qu	ick Eill (45 min)
	(f) Summary.	(15 min)
d. Four	cth Period (2 Nr)	
Bill firing posit	Lacron objectives: To teach the soldier to correctly argume the tion with the H14 rifit and to accurately engage S-type cilhouette chalquee at ranges up to 50 meters.	
(2)	Lescon outline:	
	(a) introduction.	(5 min)
houette tergets f	(b) Demonstrate end senduct practical exercise is engaging 8-ty firing 10 rounds at each range of 15, 30, and 50 meters with a rib	pe sii- on tha (80 min)
	(c) Summary.	(15 min)
e. Fift	th Period (2 Hr)	
(1) houette targate w	Lesson objectiver: To isach the soldier to meauretaly angage E- sich the Mis rifie without e rib at ranges up to 50 meters.	type mil-
(2)	Leason Sutine:	
	(#) Introduction.	(5 min)
roundr at mach re	(b) Fractier1 exercise in engaging E-type silhowatte targets fitings of 15, 30, and 50 meters without a rib on the Mi4 rifie.	ring 10 (80 min)
	(c) Summary.	(15 min)
f. Sint	th Period (3 Hr)	
vision, gransing,	Lecron objectives: To introduce the coldier to the prioriples of and detection of regrets during periods of insired visibility us and to treach the coldier to occurately angage S-type silhoucties of visibility.	Ine Outek
(2)	Lector outline:	
	(e) Introduction.	(5 min)
winibility.	(b) Discuss the principles and techniques used during pariods of	(45 min)

(2) Leeson outline:

vinibility.

1. Night Vision 2. Seanning 3. Quick Rt11 4. Dataction of Targate

	ers, or 50 and 75 meters, depending on the light conditions.	
techalques.	i. Practice fixing 16 counts at two ranges using the quie	k \$111
taehniquaa.	2. Second fleing 16 equads at two ranges using the Quick	#1li
(4)	Summary.	(5 min)
g. Seventh	Pariod (2 Rr)	

sining.

(2) Lesson Gutline:

(z) Damson outline:

ments for good marksonship. Explain why combat equipment is over on the range. (15 min)

(15 min)

(15 min)

(16 min)

(17 min)

(18 min)

(18 min)

point, focus of the sys and importance of sight sincement. (30 mic)

(c) Discuss the steady hold factors with particular emphasis on teiggar control. (20 min)

(6) Discuss training side and their value is learning the correct sight (15 min

(a) Discuss the integrated set of shooting, emphasizing the basic require-

(10 min)

(a) Beview. (10 min)

(f) Similary.

h. Eighth Feriod (4 Br)

picture.

(1) Lesson objective: To show the soldier his need for additional instruction to develop a sound beas of anti-modelly fundamentals; to track shooting as an integrated set; and to provide saily secreetive instruction to chase soldiers being difficulty is applying these fundamentals.

(2) lesson outling.

(a) Introduce the period by orienting the soldier on the sequence of instruction and how it will apply is later periods of instruction. Explain and issue progress folders. (10 min.)

(b) Discuss the eags facilities to include a discussion and demonstration of range procedures and safety requirements for conduct or preparatory marksmenship training.

- (c) Havino siming to include the 25 meter target. (10 min)
- (d) Stanoffy. (S min)

(a) Conduct the escoli descentration. Demonstrate the peope position to include application of the standy hold factors emphasizing trigger scotters. Educate and demonstrate the position and duties of the cosch.

(25 min)

- (f) Conduct practical work to fixing from the prome position. (45 min)
- (g) Introduce and conduct a firing demonstration by m well-tesiond rifleren. Have soldiers compare their targets with that of the demonstrator. (10 min)
- (h) Discuss the shot group engines card and expisin practics 1 appliestion to training by discussing errors noted in their practices owercies. (10 min.)
- (i) Expisin and demonstrate follow-through and salling the shot, (iO min)
 - (j) Explain and conduct practical work in the use of the firing data eard. (15 min)

(b) Review affasts of arrors. Detablish sample shot groups by integrating calling the shot, use of the firing data card and shot group analysis. (15 mls)

(1) Review the functioning of the rear eight. Explain the elevation and wleddags culs, conduct practical work in applying the factors of the elevation and the culs. (15 miss)

(m) Explain and demonstrate the duties of the coach during the conduct of the bell and durmy exercise. (15 min)

i. Ninth Period (2 Mr)

imstruction.

Lesson objective: To provide the toldiar with additional areas of consideration in markenements fundamentals and cuploy them by ficing the rifle.

(2) Lesson outling.

(a) Introduce the pariod and explain tis-le with pravious and subsequent
(5 min)

(h) Explain and demonstrate the target box exercise. (iO min)

(c) Conduct target box exercise. (40 mln)

<u>Contractor's notes</u>: Insure that each first and market asseries and critique such since group with the sid of the whot group enalysis cut. Assistant instructors must make on the spot correstions and give instruction to those having difficulty. These having condities a group should be sent to the corrective instruction stra.

(4) Explain and demonstrate the prome supported position suphesising the sight strady hold factors. (10 min)

(a) Explain and demonstrate duties of the coach to include a review of the ball and dummy exercise. (5 mis)

(f) Explanation of firing exercise and summary. (10 min)

(g) Review common errors noted during peactical exercise. (if min)

(10 min)

(h) Summary.

1. Tenth Parlod (8 Rc)

(1) Leson chiective. To give practical work in ficting from the proces, proceeds, externing, squarting, and haveing unspected siting systems to conduct content with the postclore firing, a program check of the above postclore. To conduct content with the postclore firing, a program check of the above postclore and a content of the above postc

(2) Lesson outling. (25-mater firing)

(s) Review the proce positions, safety and range procedures. (20 min)

(b) Conduct precises work in firing from the prone, and prone supported ficing positions. (100 mlo)

(c) Explain and demonstrate the open lagged, cross ankind, cross lagged,

althing positions. (10 min)

(d) Conduct practical work in the mitting position. (50 min)

(*) Explain and demonstrate the equatring position. (10 min)

(f) Conduct practical work in the equatting position. (50 min)

(g) Explain and demonstrate the kneeling unsupported position. (10 min)

(h) Conduct practical work in the kneeling unsupported position. (50 min)

<u>Instructor's notes</u>: A progress check of such of the above positions will be conducted during the respective process. Bushess as used to placed on the application of the eight steady hold factors and the ball and dummy exercise should be used. Incides summary and review as necessary.

(3) Leagon mutiing. (Target detection)

(e) Introduction and explanation of the target detection phase of instruction. (5 \min

(b) Explain and demonstrate target indications. (10 min)(c) Discuss how to select an observation position and the methods of

(15 min)
(4) Expicin how to merk twenters and determine range. (15 min)

(a) Summary. (5 min)

(1 mie)

(10 min)

(40 min)

(f) Conduct practicel work in incetting and determining the range to single stationary targets (5 trials). (45 \min

Instructor's note: See sample tries sheet to FM 23-71.

k. Sleventh Period (7 Hr)

(g) Summiry.

search.

(1) Leason Objective: To give praction; work in firing from the kneeling supported, extending and forbied specificar. To consider, concurrently with the posttion firing, a progress check of the showe positions. To provide instruction and practical examination radio ratioding and to ravies the principles of iccenting, marking, and descending the

(2) Lesson outline. (25-mater firing)

(a) Explain and demonstrate the knowling supported firing position.

(b) Conduct practical work in fiving from the kneeling supported firing position. (30 min)

(c) Explain and demonstrate the stending position. (10 min)

(d) Comfact exactical work in firing from the standing position.(50 min)

(e) Explain and demonstrate the foxkole position. (10 min)

(f) Condact practical work in firing from the fashole position. (50 min)

(g) Review magazine changing. (iO min)

(h) Explain and demonstrate rapid reloading exercise. (iO min)

(†) Summary. (10 min)

Instructor's note: Progress check of each of the above positions to be conducted during the respective practical work exercise.

(3) Lesson outline. (Terget detertion)

(i) Comfact rapid reloading exercise.

(a) Introduce and review to include target indications, salection of observation position, methods of search, marking targets, and determining range. (10 min)

(b) Fractical searches is locating, marking, and determining range to single stationary targets. (50 min)

(c) Review to include importance of target detration, target indications. observation position, enthods of search, determining range, and marking targets. (ID min) Instructor's note: See earnle trial sheet to PM 23-71. 1. Twelfth Period (4 Hr) (1) Lesson objective: To review the principles of sight changes, betriesight seroing, determination of the bettienight sero and collination of the reer sight. To determism the first's knowledge of surkamanehip fundamentals by onens of a conference and review. (2) Learon outline.

(a) Review principles of the rest eight adjustemnts and effects of a

sight change. (15 min) (b) Explain the principles of bettlesight seroing. (35 mia)

(c) Conduct practicel exercise is bettlesight seroing and calibration of the rear sight. (100 min)

(d) Mafiring of individuals in those positions in which they are weak and/or rewedies instruction und firing to obtein a battlesight zero. (50 mln)

m. Thirteanth Pariod (8 He)

(1) Lesson objectives: To introduce the coldier to firing on field termets at verious ranges from different positions using the adjected ciming point technique. To improve the basic chooting ability by additional instruction and practical work on surkeassship fundamentals on the 25 meter range, and to give the soldier practice in locating, surking and engaging single moving targets.

"(2) Lesson outlien. (25-meter firing)

(a) Explanation of rouge procedures, review of safety precautions and organisation of the class. (10 min)

(b) Practical work asing the rifle rest, target box, and disc and review poeltions. (10 etc) (c) Discuss previous vesknesses from periods six, seven, and sight.

(10 min) (d) Practical work to correct any difficiencies from periods six, seven, end eight. (50 min)

(3) Lesson catling. (Field firing)

(a) Explanation of range procedures and enfety precautions. (15 min)

(b) Explaention and demonstration of fundamentals of firing positions. (10 mle)

(c) Exploration and demonstration of the adjusted siming point, using trecar ammunition (10 min)

> (d) Drumiestics of firers. (18 min)

(a) Practical exercise in fixing from verious positions oning the adjected aiming point technique. (145 mlm)

> (f) Summary. (10 m(m)

(4) Lesson catlion. (Target detaction)

(a) Introduction. (5 min)

(h) Explanation and demonstration of detesting single moving targets and engaging factors. /30 minh

(c) Integrated confarence, demonstration, and practical exercise in locating and angaging single moving targets. (60 min) 56

(d) Summery. (5 min) Lastructor's note: See semple trial sheet in PM 23-71. Upper 30 percent of class (based on over/our progress chacks) conduct field firing. Lower 50 percent conduct target datection and 25-meter firing. The two groups then rotate.

n. Fourteeach Pariod (4 Hr)

(4) Laseon objective: To give the soldier instruction and practice in firing on simulated advancing targets, and practice in locating and marking multiple moving targets. Discussion of angaging savarai dispersed targets.

- (2) Lesson outlies, (Field firing) (a) Explanation of range procedures, safety and organization. (S min)
 - (b) Hardey fundamentals of flying positions. (10 stal)
 - (c) Fractical exercise firing on simulated advancing targets. (25 min)
- (d) Critique of exercise etressing importance of fundamentals. (10 min)

Instructor's note: Although time of target exposure is considered important, the practice of hasic concepts can not be overlooked. Corrections and critiques between target exposures are considered essential.

- (3) Lesson outline. (Target detection)
 - (a) Introduction. (5 min)
 - (b) Discussion of marking factors with multiple moving tergets. (30 min)
 - (c) Discussion of engaging factors with multiple moving targets. (iO min)
- (5 eio) (d) Review principles of range determination.
- (e) Integrated conference, demonstration, and practical exercise in detecting and marking multiple moving terms to. (65 min)
 - (f) Summary. (5 mia)
 - o. Fifteenth Period (4 Hr)

(1) Lasson objective: To give the soldier practice in engaging surprise tergate on the field firing range and practice in locating targets by cound.

- (2) Lemmon putling, (Field firlng)
 - (10 min) (a) Review range procedures and eafery.
- (b) Review fundamentals of siming and use of the adjusted siming point technique. (alm 01)

(a) Explanation, organisation, and conduct of practical exercise in (60 mie) firing or surprise targets.

Instructor's note; See Instructor's note for period ii.

- (3) Lesson sutline. (Target detection)
 - (10 mia) (a) Introduction,
 - (b) Explanation of a sector skatch. (20 min)
- fol Deplacation and demonstration of locating single and multiple hostile (10 ata)
- sonitions by sound. (d) Integreted conference, demonstration, and practical exercise in iccoring single and multiple hostile positions by sound. (60 ata)

p. Sixteenth Period (4 Hr)

 Lesson objective. venpon, sessuaing positions repidly, fundamentals on the 25-mater range. 	engoging	the soldier practice in moving with a loaded surprise tergets, and a review of markemenship
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(2) Lassen outline, (Field firing)

(s) Organization and explanation of range procedures and review of ss ži ty. (10 mis)

(b) Explain and demonstrate moving with a loaded weapon and angaging combat type targets with suphesis on essualog a good firing position. (10 mie)

(c) Fractical exarcise in advancing on targets and angaging them as they PPOTET. (70 ate)

(d) Someary.

(3) Lesson outlies. (25-mater firing)

(s) Organization and review of range procedures.

(b) Raview fundamentals of 25-amter firing. (10 mie) (c) Practical exercise firing from sitting, squetting, knowling and standing positions. (70 min)

(d) Smonry. (10 mla)

(10 ate)

(10 ple)

(10 min)

4. Seventmenth Period (4 Mr)

(1) Lesson objective: To give the soldier practice is engaging surprise tergets from specified and optional positions while advancing. To give practice on releading and applying ismediate action, target detecting, and camouflage and novement skills.

(2) Lettos outline. (field firias)

(s) Organisation and explanating of range procedures.

(IC min) (b) Review fundementals applicable to movement and assuming positions rapidly. (10 mlo)

(c) Fractical searcise is rapid reloading, moving, and sesuming positions rapldly.

(70 min) (d) Summary with emphasis in sorraction of fundamentals. (10 min)

<u>lostructor's note:</u> To incorporate rapid reloading, a single round is recommended to be loaded at the first of such phase with the subsequent requirement to load the magazine. A dummy round should be included in the magazion to necessitata application of immediate action.

(3) Lesson outline. (Terget detantion)

(a) Introduction to tombat movements.

(b) Explanation and demonstration of personal commentage. (10 ain)

(c) Practical work in camouflage.

(15 min) (6) Explanation and demonstration of movement.

(15 min) (s) Frectital work to movement skills, (45 mlm)

(f) Summary. (S min)

r. Bightsenth Period (4 Kr)

(1) Leson objective: To give the soldier practice in imaging surprise terget from the forbole and extent posttione. Practice is rapid relonding, fundation and confirmation of the bettlesight zero. Review the principles of the adjusted sixing soich technique.

(2) Laston outline. (Field firing)

 (a) Explanation and demonstration of range procedures to include mathod of eageging multiple targets.
 (15 min)

(b) Fractical work in angaging swittiple targets, rapid reloading, and immediate action. (80 min)

(c) Summary with emphasis on fundamentals of shooting. (5 min)

(3) Lesson swelling. (25-mater firing)

(a) Seriew range procedure and eafairy. (5 min)

(b) Confirmation of battiesight zero. (45 min)

(c) Review the use of adjusted mining point technique. (10 min)

(d) Practice in secuming firing positions rapidly and reloading. (35 min)
(e) Summary. (5 min)

a. Mineteenth Period (4 Br)

 Leenew objective: To give the soldier practice in engaging multiple surprise targets white moving. To give practice in reloading, applying immediate estion, and practice in locating and marking combat-type targets that move and whoot.

(2) Lesson outline. (Field firing)

(a) Explanation and desonstration of range procedure to include method of entering linear type termste. (15 min)

(b) Practical exercises in engaging lioner type targets, rapid reloading, and immediate action. $(75\ \mathrm{min})$

(a) Summery of instruction with emphasis so fundamentals of marksmanship.
 (10 min)

(3) Leason outline, (Target detection)

(a) Introduction. (5 min)

(b) Explanation and demonstration of locating and marking a combination of sound and moving targets. (10 min)

(c) Practical work in locating and warking a combination of sound and moving targets. (60 min)

(d) Review all principles of target detection. (20 min)

(a) Surmarise period of instruction. (5 min)

t. Twentieth Period (4 Hr)

(a) Record firing I.

(i) Leason objective: To test the coldier's ability to detect and engage single stationary type cargets in their natural auryoundings at onknown ranges and to incate, mark, and factoring the range to single stationary combet-type targets.

(2) Takeon ourline.

(a) Orientation and organisation of firers. (15 min)

(b) Werm-up with air rifle on ground target device. (15 min)

(d) Target detection test 1. (50 min)

(120 min)

<u>Instructor's note</u>: Orientation to be conflucted on record range to inside demonstration on one lane of the course. Recommend that one-half of unit receive a concurrant period of ATP traising while the remaining half anguages in record firthing I and target detaction user I.

u. Twenty-first Period (4 Hr)

aceur a ing	stoly is sed	et ein	gle and multiple of the moving targets	combatetype to	erests in thei	ir natural our	roundings and at get detection range.
24.7		(2)	Lesson sutline.	(Record first	ng II and targ	at detection	testa II and III)
245			(-) 0				(20

(4) Organization of firers and orientation.	(20 min)
(4	Record firing II	(atm 08)

APPENDIX VIT

COMMON ERRORS AND REMEDTES

this rifle (extension)

1. AFRIAL PIRTUR

-	-	-	-

Remodica

- - a. Consistently missing below an I. Be sure heed to high over stock.
- serial target. 2. Wiscaline impringry target share
- real termet.
- 3. Check that soldier is not pointing
- weepen, but LOOMING at target.
- b. Inconsistent effective appearing 1. Slow down and develop chythm. of an earial terret.
- 2. Concentagte on TOP EDGE of tagget.
- Instructes watch for impages heed nostrion.
- 4. Check position of wespon sesinst shoulder and isv against stook.
- 5. Coach cheak himself: Has cosabing and encouraging bean intermittent instead of antinuoue?
- c. Consistratly wissing sarial 1. Check for dominant eya. teemets to laft on eight 2. Head position (might be looking
- over it, causing some affect as daiving agr with head out the window). d. Consistantly missing over sariel 1. There is no wey to miss over an termets. serial target unless shooter "points" his wespoo. If he is looking at

2. GROUND FIRING.

Kenedias

Common Strora

a. Consistantly missing over ground

Gat weepon out of way and sommen-trate on "base soint" so that goldier won't make comparison

his target only, it is impossible to shoot over it because he would block target out with his barrel.

down side of bararl instead of

-
 - between musels and tasest. 2. Jab or "stick" weapon from low
- port position to target instead of flarging or meinging to tasect.
- - 3. Lock wespec into position against
- shoulder, stock-welded to isw. 1. Coach check himself: Hes coaching and encousaging been intermittant
- b. Insonsistent effective engaging of ground targets.
 - instead of onstinuous? 2. Concrettation on orange apot. 3. Slow down and devalop rhythm.
 - 61

Compos Errors

c. Commissions missing to left or right.

Remedies

- 1. Check for dominant aye.
- Head position (might be looking down mide of barrel instead of over it, sausing same effect so driving car with head out the window).

E to find the security of the

APPROUNTS VITT

CHROK LDFT

1. ABRIAL TARGET BE INSTRUCTION:

- A. Are PROTECTIVE GLASSES in place?
- b. Have you checked moldler's NASTER EYET
 - c. Is soldier's best ERSCT!
 - d. Does soldier have BOTH eyes open?
- e. To soldier's LINE of VISION 2" to 3" ABOVE place of barrel?
- f. Is soldier LOOKING PROPERLY at his target or is he aiming, tracking or leading?
- g. Does soldier have a GOOD SOLTD stock wald?
- h. Is soldier's weapon LOCKED into POCKET or his shoulder?
- Is subdier's LEADING or FOINTING hand well extended beyond balance of his weapon?
 This is nonseary horause this is the hand that takes weapon to target. Be sure
 fingers are not over barrel where they would ettract ayes.
- 5. Is soldier LEARING into his wespon?
- k. Are soldier's feet COMPONTABLY spread with veight on the RALLS of both feet?
- 1. Is instructor continuously coaching and ancouraging
- m. If instructor is right-handed, stay on right eide of soldier regardless of how-handed be is. If instructor is laft-handed, stand to the left of the soldier.

2. OROUND TARGET BE INSTRUCTION:

- e. Are PAUTECTIVE GLASSES in place?
- b. Have you checked soldier's MANTER EYER
- u. Is soldier's head erect, BOTH BYES oven and riveted on orange (red) anoth
- d. Has moldier assumed correct body position, leaning slightly forward?
- a. Is weepon brought smoothly to pocket in shoulder, stock-weighed to jew? "Make haste should."
- f. Is leading hand extended (left hand for right-handed shooters, right hand for left-handed shooters) because this is the hand that takes weapon to target? He sure fingers are not over larmel where they would attract eyes?
- g. Is barrel of weapon down out of way of his vision so that soldier will not make comparison between musule and target?
- h. le soldier LOOKING at BOTTOM EDGE of terget, not FOIRTING gunt
- Are soldier's feet comfortably spread and weight on balls of feet for mobility and balance;
- j. If target is missed, does moldier move to another target so that he won't bracket or whoot right back where he made his original error?
- k. Is instructor continuously coaching and encouragings

3. SILMOURTE TARGET MAA RIPLE INSTRUCTION:

- a. Is soldier's head erect. BOTH ETES open and riveted on orange (red) spot?
- b. Ess soldier assumed correct body position, leaning slightly forward?
- c. Is weepon brought smoothly to pocket in shoulder, stock-velded to jaw? "Make haste slowly."

- d. Is weapon at low-port position prior to firing?
- Is harrel of weapon down out of way of his vision so that soldier will not make comparison between mussle and target?
- f. Are soldier's fast COMPONIABLY spread with weight on the BALLS of both feet?
- g. Fire ML⁴ EXACTLY so the BS gas. Do sure sights are taped and temporary rib alined with bore of barrel.

APPENDIX IX

A WARRING WAS DEMONSTRATION OFFETER

GENERAL:

Because Quick Kill is based on confidence, estbesizes and showmanting, this sentre block of twaining should be proceed by a least can demonstration assweds by the FT and performed by a teas of Alf (suggest a teas consist of a shooters,) through;) mintenance and from the training extre. It will arouse the solidizer inderest, insuling positive settings, and on outdipaction for the caseing training revely resilies in other military training programs.

During this lecture and demonstration, all best points of firing position, procedure companyons and early applicable to the duck this leasth of friend SOLDL and CM Forenfully be brought out. A communicate this could be suffered to the correct iscours and communication of the communication of the communication of the correct iscours and communication of the communication of the surface areas, Fig throughout ONOU day with or ment to appead or could's the demandic appears of the demonstration here described. However, the accounts information and decrease AUT NOT be altered in the ELECTROPICATION.

THE ROOM OF THE STATE OF STREET

After soldiers fall into the bloachers, the PI commence the briefing with an owal accountry ton of the med for, discovery and svelopment of a method of fast, effective, unaimed firs of short ranges at flexing targets. The conflict in Vistam has especiated this need. Quick Mill has proven to be the savers and has now become an integral part of the Rain fave Warksamannie program. (These Approximately 2-3 minutes.)

(Comewhere in here e fact, curprise type shot to gain attention of soldier - asybe Viet Come specifing from ground, etc., or some variation or equivalent attention getter.)

DEMONSTRATION:

(1) PI explains that Quick Kill is as simple so pointing the finger at a spot on which you wish to festen your attention. He than instructs the soldier to extend his astural pointing erm and point his forefinger at the center knob of the circle on the spiral. This he would do while both eyes were open. Each soldier would then eight down his arm and find that his arm was approximately slined with the inner point of the spiral. Each soldier would then close his left eye. If it appeared through his right eye that he was still alimed he would know that his right eye was his MASTER EYE. On the other hand, if it were no longer aligned and appeared to be pointing to the left of the foosl spot, he should realize with both aves open on the circle or knob and then close his right eye. In all probability he will now find that he is properly slined and this will indicate his left eye to be the MASTER EYE. There are some for cases where neither eye is dominent, but this neither occurs frequently amough nor causes difficulty to the point of needing to be further explained. The second part of this demonstration involves teaching the solutor how to concentrate on a given point. He shall be told to fix his attention upon the center knot or circle and thou the disc should be roteted by hand or aschine. If he maintains his point of focus, the spiral will appear to become either a concave or a convex come but only if he maintains his concentration, This is an example of REALLY LOOKING at something rather than SIMTLY SEEING it. (Time: Approximately 4 minutes.)

DEMONSTRATION:

(2) As Al matters the pits, excepting a service weapon and sausans a ready position with reagon at high port. Be brings the seepon to the fring positions as the Ff interest nearer; the ready of the pits of a pits of instruction the soldiers will learn to first their pits, but, throughout dator Kill periods of instruction the soldiers will learn to first their pits on the void first beinger. To apphasize this point monther Al enters the pit. He sowes to a point but to the right of the pits of the pits. The soldier pits of the pit

DEMCHISTRATION:

(3) FI processes with a description of teaching with an air rifle the foregoing ability of bitting moving targets, and at this time an AI enters the pit, carrying an eir rifle. PI reiterates explanation of positions; then has Al demonstrate proper cocking procedure (figure 7 and 8) and danger from improper cocking procedure. The second AI, who will be the thrower. enters the pit. FI how introduces procedure of instruction for sagging agrisl targets with and eir rifle and explains as dramatically and as forcefully as possible the necessity for wearing safety glasses during all air rifls shooting. Throwing AI now has taken up his position next to the shooting AZ as illustrated in Figure 13A and tosees terget as illustrated in Figure 12. Prior to his throwing the target as illustrated in Figure 13a, PI will describe and show the two size discs (figures 3s and 3b) that are used in training and that will be illustrated here. After shooting AT has successfully engaged both large and small discs, throwing AI produces a common two-isch washer from his pocket. The hole in the center is plugged with a piece of white tissue. This is held up for soldiers to see, and PI explains that, once a person has learned to control his binocular vision, confining it to a fine and definite point and can concentrate on that point for a fraction of a second, be is able to hit any point on the target at which he is so looking. Thrower then tosess plugged washer in the sir and shooting all first the center out. Als exit. [Time: Approximstely 3 minutes.)

DEMONSTRATION:

(4) This complete EN aerial demonstration. If one explains the ground terrat device illustrated is righers 19 which he been brought into the pit by an I. If further explains the focusing difference between the shooting of serial and ground terrate, at the conclusion of which a second Al nature with an air rifle a thigh port and source to a point within source, shooting the series of the provider of the state of the series of the

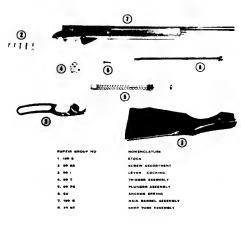
DEMONSTRATION:

(5) PI advises suddiers that verything having some before was training for the business of var which involves seconding the service piece each term TIDE SENUER PIECE IS DESIGNED AS A SERVICE AS A S

DEMONSTRATION:

(6) Thenlity, the FF vill amounce a simulated battle situation and as al in full battle force with loangs out from behind the blackmer to a point 50 enters door enage state he will drap to an east position, and to if a rounds, assume the proce position and set a ronge of 30 between the set of the total contract of the seconds. But tempt will be returned for inspection and he, himself, will return to the pit so that the second of the seconds of the seconds. But tempt will be returned for inspection and he, himself, will return to the pit so that the second of the seco

This concludes the deponstration. (NOTAL TEXT: epproximately 18-20 minutes).



Dissussembled Air Rifle

Figure 70



Cocking Lever Bolt Wrench

Figure 21 68





Removing flexible plunger head assembly
Figure 23
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APPENDIX X

WORKING DRAWING, GROUND TARGET DEVICE

